



Timothy McLaughlin  
Chair  
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## FAMPO RESOLUTION 19-16

### ENDORISING REGIONAL BASE YEAR AND FUTURE YEARS POPULATION, HOUSEHOLD AND EMPLOYMENT CONTROL TOTALS FOR USE IN THE 2050 LONG RANGE TRANSPORTATION PLAN

**WHEREAS**, FAMPO staff have been working with the Technical Advisory Committee (TAC) to develop base year (2017) and future year (2050) population, households and employment control totals for each locality for use in the Region's 2050 Long-Range Transportation Plan (LRTP); and

**WHEREAS**, these population, households and employment control totals are an integral part of developing regional traffic and land use forecasts out to 2050; and

**WHEREAS**, since the adoption of control totals in October 2018, FAMPO staff have become aware of new information that has led to a change in some of the future year allocations; and

**WHEREAS**, an explanation of what changed, why it changed and the revised control totals for population, households, employment and retail employment are contained in the attached memorandum;

**NOW, THEREFORE, BE IT RESOLVED** that the Fredericksburg Area Metropolitan Planning Organization hereby endorses the base year and future years population, household and employment control totals for use in the 2050 Long Range Transportation Plan.

Adopted by the Policy Committee at its meeting on December 10, 2018.

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Timothy McLaughlin, Chair  
Fredericksburg Area Metropolitan Planning Organization  
Policy Committee

## MEMORANDUM

TO: FAMPO Committees

FROM: FAMPO Staff

DATE: November 28, 2018

RE: Revised 2050 Socioeconomic Data Projections

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After receiving new information regarding socioeconomic (SE) data in the region, staff re-analyzed the way in which the data is distributed amongst the Traffic Analysis Zones (TAZs). This change amounted to a bottoms-up approach, rather than the top-down approach that was used to calculate the control totals approved in October 2018. The base year (2017) and horizon year (2050) control totals remain unchanged for population and households, but the employment and retail employment totals were completely revised.

Following a review of the existing distribution of SE data with locality staff, it was determined that some of the values were inaccurate. After these reviews, appropriate adjustments were made to the distribution of the values in the base and horizon years.

Staff then worked to grow the base year TAZ numbers for population and households to meet the horizon year. After collecting information on approved residential developments, manual adjustments to households and population were made to the 2020 and 2025 interim years. Beyond 2025, each TAZ was grown using its calculated growth rate to meet the horizon year for said TAZ. The TAZs were totaled for the interim years, and the new figures can be seen in Tables 1 & 2.

The employment numbers required a re-evaluation as well. After working to distribute the base year totals for employment and retail employment, staff were concerned that the numbers were too high and should be in line with employment estimates from the Virginia Employment Commission (VEC). Staff contacted local economic development departments to gather their opinions, and they concurred with the findings.

Following this information, staff made a change to use the VEC totals for base year employment, and the totals were distributed amongst the TAZs using input from locality staff. The TAZs were then grown using a calculated growth rate from the existing TAZ distribution and totaled for each interim year and the horizon year. The results can be seen in Table 3.

The retail employment calculation differed slightly from total employment. For the base year, staff used the VEC estimates for retail employment and grew them by five percent. This was based upon an assessment that the VEC retail employment numbers were too low and did not consider the food services industry, which the model regards as retail employment. Once these totals were distributed amongst the TAZs, the same method used for employment was applied to the retail employment numbers. The results of this effort can be seen in Table 4.

Overall, staff believes this is a much sounder approach to calculating the control totals, and it warrants revision of the totals approved in October 2018.

Table 1: Population Projections

Jurisdiction	2017	2020	2025	2030	2035	2040	2045	2050
Stafford	145,699	154,617	165,494	178,745	195,209	216,136	243,408	280,067
Spotsylvania	131,549	132,932	145,846	160,062	176,513	199,761	232,236	247,099
Fredericksburg	27,645	30,245	31,999	33,355	34,884	36,624	38,621	40,936
King George	25,381	25,877	26,824	27,950	29,296	30,912	32,867	35,246
Caroline	29,990	30,566	31,615	23,925	34,442	36,281	38,560	41,647
<b>GWRC Total</b>	<b>360,264</b>	<b>374,237</b>	<b>401,788</b>	<b>424,037</b>	<b>435,460</b>	<b>519,714</b>	<b>585,692</b>	<b>644,995</b>

Table 2: Household Projections

Jurisdiction	2017	2020	2025	2030	2035	2040	2045	2050
Stafford	46,322	49,557	54,689	60,894	68,554	78,240	90,822	107,718
Spotsylvania	44,105	44,541	49,416	53,987	58,606	64,350	71,296	84,705
Fredericksburg	10,351	11,120	11,645	12,291	13,047	13,941	15,012	16,309
King George	8,658	8,757	8,963	9,225	9,558	9,976	10,499	11,154
Caroline	11,143	11,289	11,575	11,931	12,378	12,957	13,737	14,927
<b>GWRC Total</b>	<b>120,579</b>	<b>125,264</b>	<b>136,288</b>	<b>148,328</b>	<b>162,143</b>	<b>179,464</b>	<b>201,366</b>	<b>234,813</b>

Table 3: Employment Projections

Jurisdiction	2017	2020	2025	2030	2035	2040	2045	2050
Stafford	42,127	43,456	47,497	50,996	55,459	61,430	69,958	83,229
Spotsylvania	35,327	37,142	39,111	40,891	42,984	45,476	48,484	52,169
Fredericksburg	28,549	29,664	31,768	34,250	37,223	40,845	45,342	51,046
King George	11,923	12,238	13,034	13,810	14,771	15,982	17,543	19,597
Caroline	5,824	5,959	6,234	6,625	7,149	7,881	8,913	10,388
<b>GWRC Total</b>	<b>123,750</b>	<b>128,459</b>	<b>137,644</b>	<b>146,572</b>	<b>157,586</b>	<b>171,614</b>	<b>190,240</b>	<b>216,429</b>

Table 4: Retail Employment Projections

Jurisdiction	2017	2020	2025	2030	2035	2040	2045	2050
Stafford	12,094	12,418	14,042	14,978	16,122	17,579	19,554	22,472
Spotsylvania	15,847	16,348	17,042	17,718	18,498	19,410	20,492	21,797
Fredericksburg	11,481	11,999	12,973	14,114	15,466	17,085	19,051	21,477
King George	3,106	3,213	3,471	3,740	4,080	4,521	5,105	5,898
Caroline	2,905	2,995	3,185	3,444	3,801	4,301	5,006	6,008
<b>GWRC Total</b>	<b>45,433</b>	<b>46,973</b>	<b>50,713</b>	<b>53,994</b>	<b>57,967</b>	<b>62,896</b>	<b>69,208</b>	<b>77,652</b>